133 SPECIFICATIONS

±0.5% Basic DCV Accuracy (also see pages 8-10)

Function	Range	Resolution
DCV	200mV	0.1mV
	2V	0.001V
	20V	0.1V
	200V	0.1V
	1000V	1V
ACV	200mV	0.1mV
	2V	0.001V
	20V	0.01V
	200V	0.1V
	750V	1V
DCA	200µA	0.1µA
	2mA	0.001mA
	20mA	0.01mA
	200mA	0.1mA
	2A	0.001A
	10A	0.01A
ACA	200µA	0.1µA
	2mA	0.001mA
	20mA	0.01mA
	200mA	0.1mA
	2A	0.001A
	10A	0.01A
OHM	200Ω	0.1Ω
	2kΩ	0.001kΩ
	20kΩ	0.01kΩ
	200kΩ	0.1kΩ
	2MΩ	0.001MΩ
	20MΩ	0.01MΩ

	Test Voltage	Max. Test Current
Diode	2.5V	Approx. 1mA

	Test Voltage	Threshold
Continuity	2.5V	<100Ω

3. Specifications

CE **IEC 1010 Over Voltage:**
CAT II - 1000V
CAT III - 600V
Pollution Degree 2

c UL us
LISTED
UL 3111-1

※ **INSTALLATION** Ⅰ · Ⅱ · Ⅲ

INSTALLATION CATEGORY(OVERVOLTAGE CATEGORY) Ⅰ
: Signal level, special equipment or parts of equipment, telecommunication, electronic etc., with smaller transient overvoltages than INSTALLATION CATEGORY Ⅱ .

INSTALLATION CATEGORY(OVERVOLTAGE CATEGORY) Ⅱ
: Local level, appliances, PORTABLE EQUIPMENT etc., with smaller transient overvoltages than INSTALLATION CATEGORY Ⅲ .

INSTALLATION CATEGORY(OVERVOLTAGE CATEGORY) Ⅲ
: Distribution level, fixed installation, with smaller transient overvoltages than INSTALLATION CATEGORY Ⅳ .

a. DCV

Range	Resolution	Accuracy	Impedance
200mV	0.1mV	±0.5% of reading, ±2 digits	10MΩ
2V	0.001V		
20V	0.01V		
200V	0.1V		
1000V	1V		

b. ACV (45Hz to 450Hz)

Range	Resolution	Accuracy	Impedance
200mV	0.1mV	±1.2% of reading, ±3 digits	10MΩ
2V	0.001V	±0.8% of reading, ±3 digits	
20V	0.01V		
200V	0.1V		
750V	1V		

c. DCA

Range	Resolution	Accuracy	Overload Protection
200µA	0.1µA	±0.5% of reading, ±1 digit	Fuse* F600V, 2A, 31CM
2mA	0.001mA		
20mA	0.01mA		
200mA	0.1mA	±1.2% of reading, ±1 digit	
2A	0.001A		
10A	0.01A	±2% of reading, ±5 digits	Fuse* F600V, 10A, 31CM

d. ACA

Range Protection	Resolution	Accuracy	Overload
200µA	0.1µA	±1% of reading, ±3 digits	Fuse* F600V, 2A, 31CM
2mA	0.001mA		
20mA	0.01mA		
200mA	0.1mA	±1.8% of reading, ±3 digits	
2A	0.001A		
10A	0.01A	± 3% of reading, ± 7 digits	Fuse* F600V, 10A, 31CM

e. OHM (Resistance,Ω)

Range Protection	Resolution	Accuracy	Overload
200Ω	0.1Ω	±0. 5% of reading, ±1 digit	600V DC or AC Peak
2kΩ	0.001kΩ		
20kΩ	0.01kΩ		
200kΩ	0.1kΩ		
2MΩ	0.001MΩ		
20MΩ	0.01MΩ	±1% of reading, ±2 digits	

***Warning:** Use only correct size, voltage and current rated fuses.
Test Leads: Use only correct type and overvoltage category rating.

f. Diode Test

Test Voltage	Max Test Current	Over Load Protection
2.5V	Approx. 1mA	600 V DC or Peak AC

g. Continuity Buzzer

Test Voltage	Threshold	Over Load Protection
2.5V	<100Ω	600 V DC or Peak AC

h. General Specifications

Max. Volt. between any Input and Ground	1000V
Fuse Protection	**mA:** 0.5Amp/600VAC **A:** 10Amp/600VAC
Display Type	3260 Count,with 34 segment bargraph and low battery indication.
Operating Temp.	-0° to 40°C (32° to 104°F)
Storage Temp.	-10° to 50°C (14° to 122°F)
Relative Humidity	0% to 80%
Power Supply	2 each 1.5 Volt "AA" Batteries
Altitude operating	6,562ft (2,000meter)
Non-operating	40,000ft (12,000meter)
Battery Life	200 hrs. Typical
Size (H x L x W)	33mm x 86mm x 187mm (1.3in x 3.4in x 7.4in)
Weight	340g (12oz)